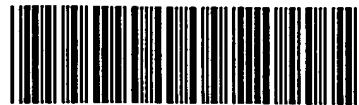


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/562,735  
Source: IFWP  
Date Processed by STIC: 1/10/06

***ENTERED***



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/562,735

DATE: 01/10/2006

TIME: 08:54:21

Input Set : A:\2488033-SEQ.txt

Output Set: N:\CRF4\01102006\J562735.raw

3 <110> APPLICANT: MANDELBOIM, Ofer  
 4 PORGADOR, Angel

6 &lt;120&gt; TITLE OF INVENTION: FRAGMENTS OF NKp44 AND NKp46 FOR TARGETING VIRAL-INFECTED

AND

7 TUMOR CELLS

9 &lt;130&gt; FILE REFERENCE: 2488.033

C--&gt; 11 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/562,735

C--&gt; 11 &lt;141&gt; CURRENT FILING DATE: 2005-12-29

11 &lt;150&gt; PRIOR APPLICATION NUMBER: PCT/IL2004/000583

12 &lt;151&gt; PRIOR FILING DATE: 2004-06-30

14 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/483,107

15 &lt;151&gt; PRIOR FILING DATE: 2003-06-30

17 &lt;160&gt; NUMBER OF SEQ ID NOS: 21

19 &lt;170&gt; SOFTWARE: PatentIn version 3.3

21 &lt;210&gt; SEQ ID NO: 1

22 &lt;211&gt; LENGTH: 304

23 &lt;212&gt; TYPE: PRT

24 &lt;213&gt; ORGANISM: Homo sapiens

26 &lt;300&gt; PUBLICATION INFORMATION:

27 &lt;308&gt; DATABASE ACCESSION NO: CAA04714

28 &lt;309&gt; DATABASE ENTRY DATE: 1998-09-22

29 &lt;313&gt; RELEVANT RESIDUES: (1)..(304)

31 &lt;400&gt; SEQUENCE: 1

33 Met Ser Ser Thr Leu Pro Ala Leu Leu Cys Val Gly Leu Cys Leu Ser

34 1 5 10 15

37 Gln Arg Ile Ser Ala Gln Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp

38 20 25 30

41 Ala Glu Pro His Phe Met Val Pro Lys Glu Lys Gln Val Thr Ile Cys

42 35 40 45

45 Cys Gln Gly Asn Tyr Gly Ala Val Glu Tyr Gln Leu His Phe Glu Gly

46 50 55 60

49 Ser Leu Phe Ala Val Asp Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys

50 65 70 75 80

53 Val Lys Phe Tyr Ile Pro Asp Met Asn Ser Arg Met Ala Gly Gln Tyr

54 85 90 95

57 Ser Cys Ile Tyr Arg Val Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu

58 100 105 110

61 Leu Asp Leu Val Val Thr Glu Met Tyr Asp Thr Pro Thr Leu Ser Val

62 115 120 125

65 His Pro Gly Pro Glu Val Ile Ser Gly Glu Lys Val Thr Phe Tyr Cys

66 130 135 140

69 Arg Leu Asp Thr Ala Thr Ser Met Phe Leu Leu Leu Lys Glu Gly Arg

70 145 150 155 160

73 Ser Ser His Val Gln Arg Gly Tyr Gly Lys Val Gln Ala Glu Phe Pro

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/562,735

DATE: 01/10/2006  
TIME: 08:54:21

Input Set : A:\2488033-SEQ.txt  
Output Set: N:\CRF4\01102006\J562735.raw

74 165 170 175  
 77 Leu Gly Pro Val Thr Thr Ala His Arg Gly Thr Tyr Arg Cys Phe Gly  
 78 180 185 190  
 81 Ser Tyr Asn Asn His Ala Trp Ser Phe Pro Ser Glu Pro Val Lys Leu  
 82 195 200 205  
 85 Leu Val Thr Gly Asp Ile Glu Asn Thr Ser Leu Ala Pro Glu Asp Pro  
 86 210 215 220  
 89 Thr Phe Pro Ala Asp Thr Trp Gly Thr Tyr Leu Leu Thr Thr Glu Thr  
 90 225 230 235 240  
 93 Gly Leu Gln Lys Asp His Ala Leu Trp Asp His Thr Ala Gln Asn Leu  
 94 245 250 255  
 97 Leu Arg Met Gly Leu Ala Phe Leu Val Leu Val Ala Leu Val Trp Phe  
 98 260 265 270  
 101 Leu Val Glu Asp Trp Leu Ser Arg Lys Arg Thr Arg Glu Arg Ala Ser  
 102 275 280 285  
 105 Arg Ala Ser Thr Trp Glu Gly Arg Arg Arg Leu Asn Thr Gln Thr Leu  
 106 290 295 300  
 109 <210> SEQ ID NO: 2  
 110 <211> LENGTH: 134  
 111 <212> TYPE: PRT  
 112 <213> ORGANISM: Homo sapiens  
 115 <220> FEATURE:  
 116 <221> NAME/KEY: PEPTIDE  
 117 <222> LOCATION: (1)..(134)  
 118 <223> OTHER INFORMATION: Residues 121-254 of SEQ ID NO:1  
 120 <400> SEQUENCE: 2  
 122 Tyr Asp Thr Pro Thr Leu Ser Val His Pro Gly Pro Glu Val Ile Ser  
 123 1 5 10 15  
 126 Gly Glu Lys Val Thr Phe Tyr Cys Arg Leu Asp Thr Ala Thr Ser Met  
 127 20 25 30  
 130 Phe Leu Leu Lys Glu Gly Arg Ser Ser His Val Gln Arg Gly Tyr  
 131 35 40 45  
 134 Gly Lys Val Gln Ala Glu Phe Pro Leu Gly Pro Val Thr Thr Ala His  
 135 50 55 60  
 138 Arg Gly Thr Tyr Arg Cys Phe Gly Ser Tyr Asn Asn His Ala Trp Ser  
 139 65 70 75 80  
 142 Phe Pro Ser Glu Pro Val Lys Leu Leu Val Thr Gly Asp Ile Glu Asn  
 143 85 90 95  
 146 Thr Ser Leu Ala Pro Glu Asp Pro Thr Phe Pro Ala Asp Thr Trp Gly  
 147 100 105 110  
 150 Thr Tyr Leu Leu Thr Thr Glu Thr Gly Leu Gln Lys Asp His Ala Leu  
 151 115 120 125  
 154 Trp Asp His Thr Ala Gln  
 155 130  
 158 <210> SEQ ID NO: 3  
 159 <211> LENGTH: 40  
 160 <212> TYPE: PRT  
 161 <213> ORGANISM: Homo sapiens  
 164 <220> FEATURE:

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/562,735

DATE: 01/10/2006  
TIME: 08:54:21

Input Set : A:\2488033-SEQ.txt  
Output Set: N:\CRF4\01102006\J562735.raw

165 <221> NAME/KEY: PEPTIDE  
166 <222> LOCATION: (1)..(40)  
167 <223> OTHER INFORMATION: Residues 215 to 254 of SEQ ID NO:1.  
169 <400> SEQUENCE: 3  
171 Glu Asn Thr Ser Leu Ala Pro Glu Asp Pro Thr Phe Pro Ala Asp Thr  
172 1 5 10 15  
175 Trp Gly Thr Tyr Leu Leu Thr Thr Glu Thr Gly Leu Gln Lys Asp His  
176 20 25 30  
179 Ala Leu Trp Asp His Thr Ala Gln  
180 35 40  
183 <210> SEQ ID NO: 4  
184 <211> LENGTH: 258  
185 <212> TYPE: PRT  
186 <213> ORGANISM: Homo sapiens  
188 <300> PUBLICATION INFORMATION:  
189 <308> DATABASE ACCESSION NO: CAC09453  
190 <309> DATABASE ENTRY DATE: 2005-05-18  
191 <313> RELEVANT RESIDUES: (1)..(258)  
193 <400> SEQUENCE: 4  
195 Met Ala Trp Arg Ala Leu His Pro Leu Leu Leu Leu Leu Phe  
196 1 5 10 15  
199 Pro Gly Ser Gln Ala Gln Ser Lys Ala Gln Val Leu Gln Ser Val Ala  
200 20 25 30  
203 Gly Gln Thr Leu Thr Val Arg Cys Gln Tyr Pro Pro Thr Gly Ser Leu  
204 35 40 45  
207 Tyr Glu Lys Lys Gly Trp Cys Lys Glu Ala Ser Ala Leu Val Cys Ile  
208 50 55 60  
211 Arg Leu Val Thr Ser Ser Lys Pro Arg Thr Met Ala Trp Thr Ser Arg  
212 65 70 75 80  
215 Phe Thr Ile Trp Asp Asp Pro Asp Ala Gly Phe Phe Thr Val Thr Met  
216 85 90 95  
219 Thr Asp Leu Arg Glu Glu Asp Ser Gly His Tyr Trp Cys Arg Ile Tyr  
220 100 105 110  
223 Arg Pro Ser Asp Asn Ser Val Ser Lys Ser Val Arg Phe Tyr Leu Val  
224 115 120 125  
227 Val Ser Pro Ala Ser Ala Ser Thr Gln Thr Ser Trp Thr Pro Arg Asp  
228 130 135 140  
231 Leu Val Ser Ser Gln Thr Gln Thr Gln Ser Cys Val Pro Pro Thr Ala  
232 145 150 155 160  
235 Gly Ala Arg Gln Ala Pro Glu Ser Pro Ser Thr Ile Pro Val Pro Ser  
236 165 170 175  
239 Gln Pro Gln Asn Ser Thr Leu Arg Pro Gly Pro Ala Ala Pro Ile Ala  
240 180 185 190  
243 Leu Val Pro Val Phe Cys Gly Leu Leu Val Ala Lys Ser Leu Val Leu  
244 195 200 205  
247 Ser Ala Leu Leu Val Trp Trp Val Leu Arg Asn Arg His Met Gln His  
248 210 215 220  
251 Gln Gly Arg Ser Leu Leu His Pro Ala Gln Pro Arg Pro Gln Ala His  
252 225 230 235 240

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/562,735

DATE: 01/10/2006  
TIME: 08:54:21

Input Set : A:\2488033-SEQ.txt  
Output Set: N:\CRF4\01102006\J562735.raw

255 Arg His Phe Pro Leu Ser His Arg Ala Pro Gly Gly Thr Tyr Gly Gly  
256 245 250 255  
259 Lys Pro  
263 <210> SEQ ID NO: 5  
264 <211> LENGTH: 114  
265 <212> TYPE: PRT  
266 <213> ORGANISM: Homo sapiens  
269 <220> FEATURE:  
270 <221> NAME/KEY: PEPTIDE  
271 <222> LOCATION: (1)..(114)  
272 <223> OTHER INFORMATION: residues 22-134 of SEQ ID NO:4  
274 <400> SEQUENCE: 5  
276 Gln Ser Lys Ala Gln Val Leu Gln Ser Val Ala Gly Gln Thr Leu Thr  
277 1 5 10 15  
280 Val Arg Cys Gln Tyr Pro Pro Thr Gly Ser Leu Tyr Glu Lys Lys Gly  
281 20 25 30  
284 Trp Cys Lys Glu Ala Ser Ala Leu Val Cys Ile Arg Leu Val Thr Ser  
285 35 40 45  
288 Ser Lys Pro Arg Thr Met Ala Trp Thr Ser Arg Phe Thr Ile Trp Asp  
289 50 55 60  
292 Asp Pro Asp Ala Gly Phe Phe Thr Val Thr Met Thr Asp Leu Arg Glu  
293 65 70 75 80  
296 Glu Asp Ser Gly His Tyr Trp Cys Arg Ile Tyr Arg Pro Ser Asp Asn  
297 85 90 95  
300 Ser Val Ser Lys Ser Val Arg Phe Tyr Leu Val Val Ser Pro Ala Ser  
301 100 105 110  
304 Ala Ser  
308 <210> SEQ ID NO: 6  
309 <211> LENGTH: 55  
310 <212> TYPE: PRT  
311 <213> ORGANISM: Homo sapiens  
314 <220> FEATURE:  
315 <221> NAME/KEY: PEPTIDE  
316 <222> LOCATION: (1)..(55)  
317 <223> OTHER INFORMATION: residues 136-190 from SEQ ID NO:4  
319 <400> SEQUENCE: 6  
321 Thr Gln Thr Ser Trp Thr Pro Arg Asp Leu Val Ser Ser Gln Thr Gln  
322 1 5 10 15  
325 Thr Gln Ser Cys Val Pro Pro Thr Ala Gly Ala Arg Gln Ala Pro Glu  
326 20 25 30  
329 Ser Pro Ser Thr Ile Pro Val Pro Ser Gln Pro Gln Asn Ser Thr Leu  
330 35 40 45  
333 Arg Pro Gly Pro Ala Ala Pro  
334 50 55  
337 <210> SEQ ID NO: 7  
338 <211> LENGTH: 61  
339 <212> TYPE: PRT  
340 <213> ORGANISM: Homo sapiens  
343 <220> FEATURE:

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/562,735

DATE: 01/10/2006  
TIME: 08:54:21

Input Set : A:\2488033-SEQ.txt  
Output Set: N:\CRF4\01102006\J562735.raw

344 <221> NAME/KEY: PEPTIDE  
345 <222> LOCATION: (1)..(61)  
346 <223> OTHER INFORMATION: residues 109-169 of SEQ ID NO:4.  
348 <400> SEQUENCE: 7  
350 Ser Pro Ala Ser Ala Ser Thr Gln Thr Ser Trp Thr Pro Arg Asp Leu  
351 1 5 10 15  
354 Val Ser Ser Gln Thr Gln Thr Gln Ser Cys Val Pro Pro Thr Ala Gly  
355 20 25 30  
358 Ala Arg Gln Ala Pro Glu Ser Pro Ser Thr Ile Pro Val Pro Ser Gln  
359 35 40 45  
362 Pro Gln Asn Ser Thr Leu Arg Pro Gly Pro Ala Ala Pro  
363 50 55 60  
366 <210> SEQ ID NO: 8  
367 <211> LENGTH: 99  
368 <212> TYPE: PRT  
369 <213> ORGANISM: Homo sapiens  
372 <220> FEATURE:  
373 <221> NAME/KEY: PEPTIDE  
374 <222> LOCATION: (1)..(99)  
375 <223> OTHER INFORMATION: residues 22-120 of SEQ ID NO:1 refered to as D1 domain  
377 <400> SEQUENCE: 8  
379 Gln Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp Ala Glu Pro His Phe  
380 1 5 10 15  
383 Met Val Pro Lys Glu Lys Gln Val Thr Ile Cys Cys Gln Gly Asn Tyr  
384 20 25 30  
387 Gly Ala Val Glu Tyr Gln Leu His Phe Glu Gly Ser Leu Phe Ala Val  
388 35 40 45  
391 Asp Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys Val Lys Phe Tyr Ile  
392 50 55 60  
395 Pro Asp Met Asn Ser Arg Met Ala Gly Gln Tyr Ser Cys Ile Tyr Arg  
396 65 70 75 80  
399 Val Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu Leu Asp Leu Val Val  
400 85 90 95  
403 Thr Glu Met  
407 <210> SEQ ID NO: 9  
408 <211> LENGTH: 30  
409 <212> TYPE: DNA  
410 <213> ORGANISM: Artificial  
412 <220> FEATURE:  
413 <223> OTHER INFORMATION: primer derived from human NKp44 nucleotide sequence  
416 <220> FEATURE:  
417 <221> NAME/KEY: misc\_feature  
418 <222> LOCATION: (1)..(30)  
419 <223> OTHER INFORMATION: primer  
421 <400> SEQUENCE: 9  
422 ggcagggtac cccaatccaa ggctcaggta 30  
425 <210> SEQ ID NO: 10  
426 <211> LENGTH: 30  
427 <212> TYPE: DNA

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 01/10/2006  
PATENT APPLICATION: US/10/562,735                   TIME: 08:54:22

Input Set : A:\2488033-SEQ.txt  
Output Set: N:\CRF4\01102006\J562735.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:9,10,12

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/562,735

DATE: 01/10/2006

TIME: 08:54:22

Input Set : A:\2488033-SEQ.txt

Output Set: N:\CRF4\01102006\J562735.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date